

WHAT IS CLAIMED IS:

1. A method for determining a local compensation for the pixel brightness, applied to a plurality of pixels of a scanned document, the pixels having nonuniform brightness values and corresponding darkness values generated after light of a lamp tube
5 has been projected onto a reference area and on the document, the method comprising:

for each pixel of the scanned region, evaluating a difference between a brightness value and a darkness value therefor;

comparing the difference between the brightness value and the darkness value of each pixel to a predetermined level value; and

10 applying a brightness compensation only to the pixels having a difference between the brightness value and darkness value less than the predetermined level value.

2. The method of claim 1, wherein the difference between the brightness value and the darkness value is evaluated via deducting the darkness value from the brightness value.

15 3. The method of claim 1, wherein the difference between the brightness value and the darkness value is evaluated via deducting the darkness value from the brightness value, and dividing the result by the brightness value.

4. The method of claim 1, wherein the difference between the brightness value and the darkness value is evaluated via deducting the darkness value from the brightness
20 value, and dividing the result by the darkness value.